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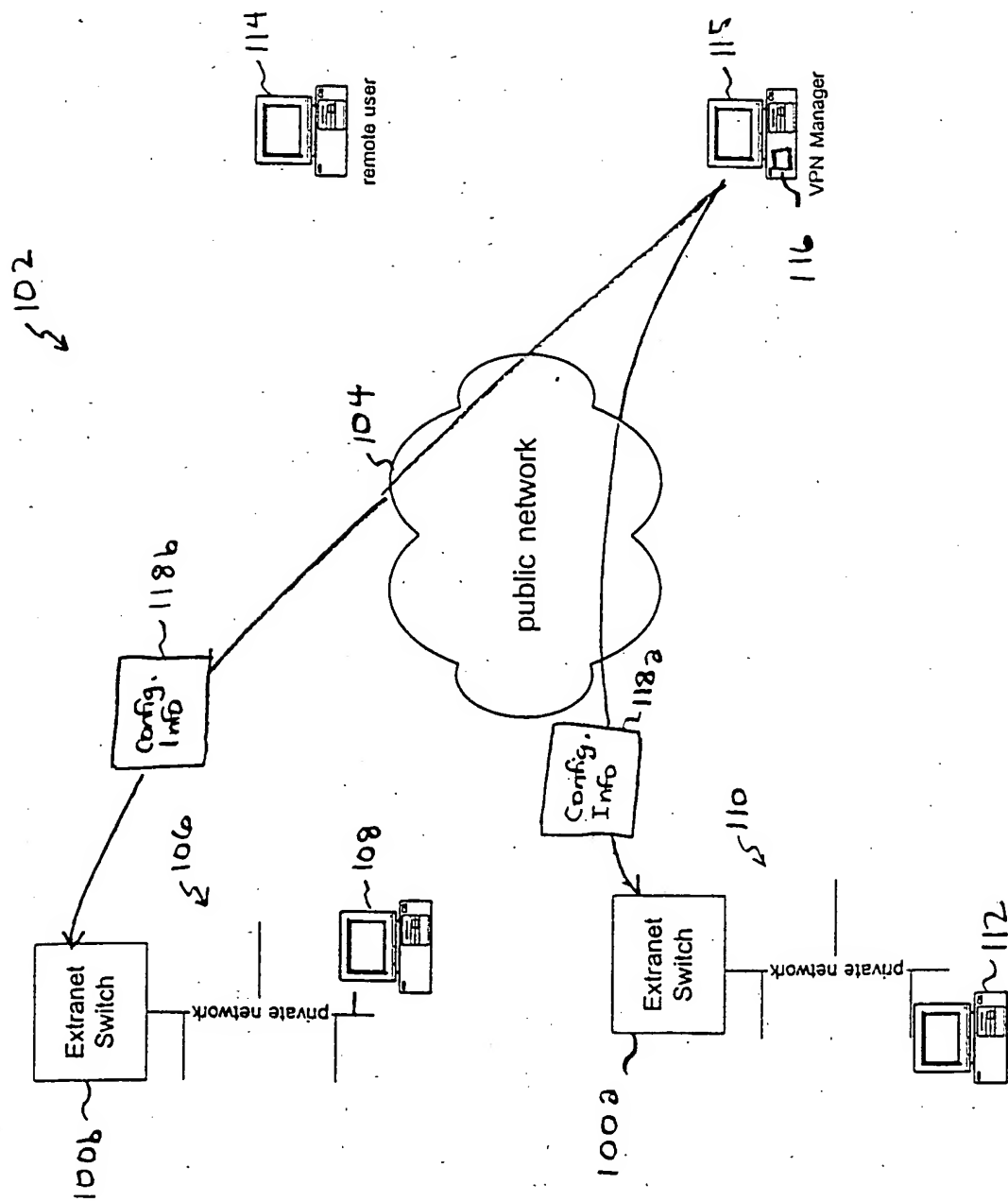


FIG. 1

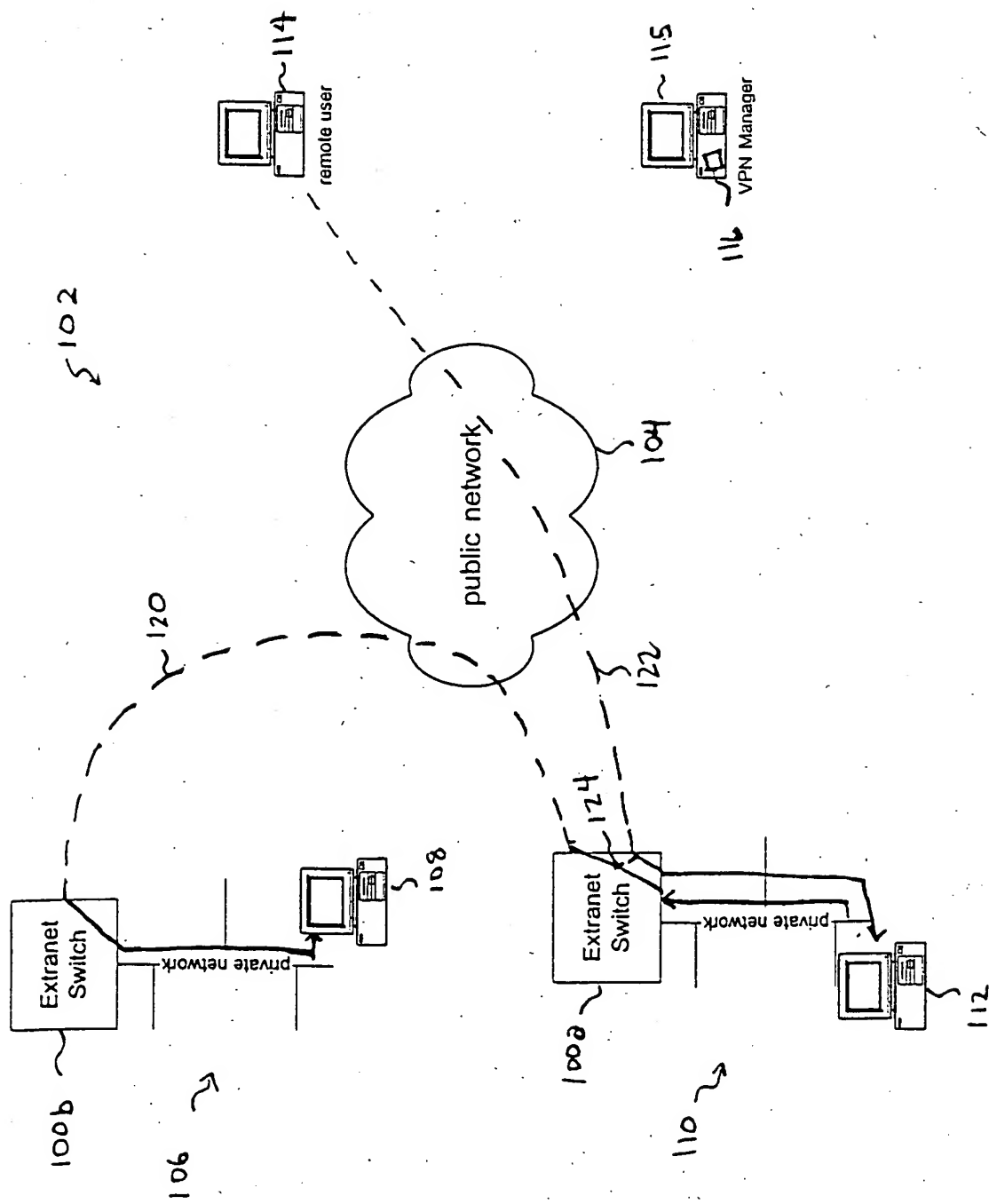


FIG. 2

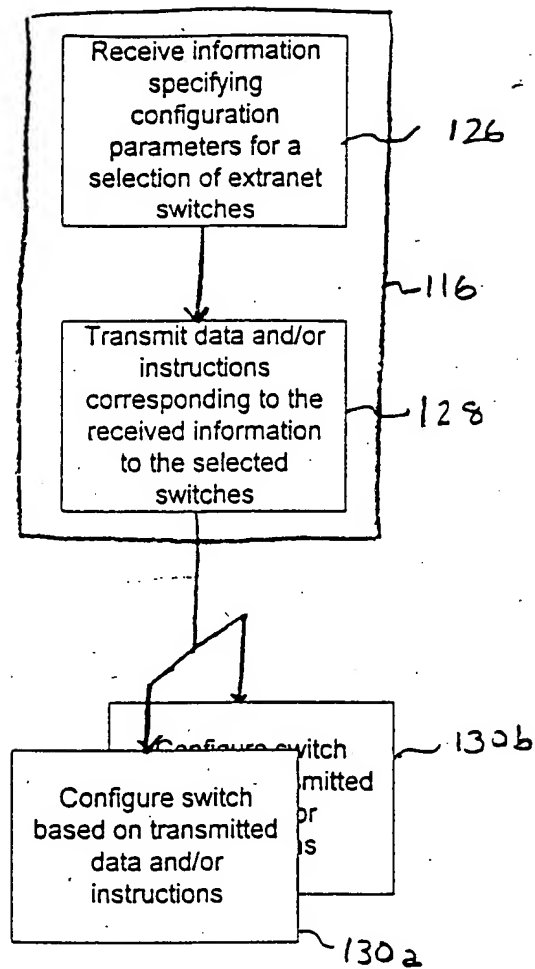


FIG. 3

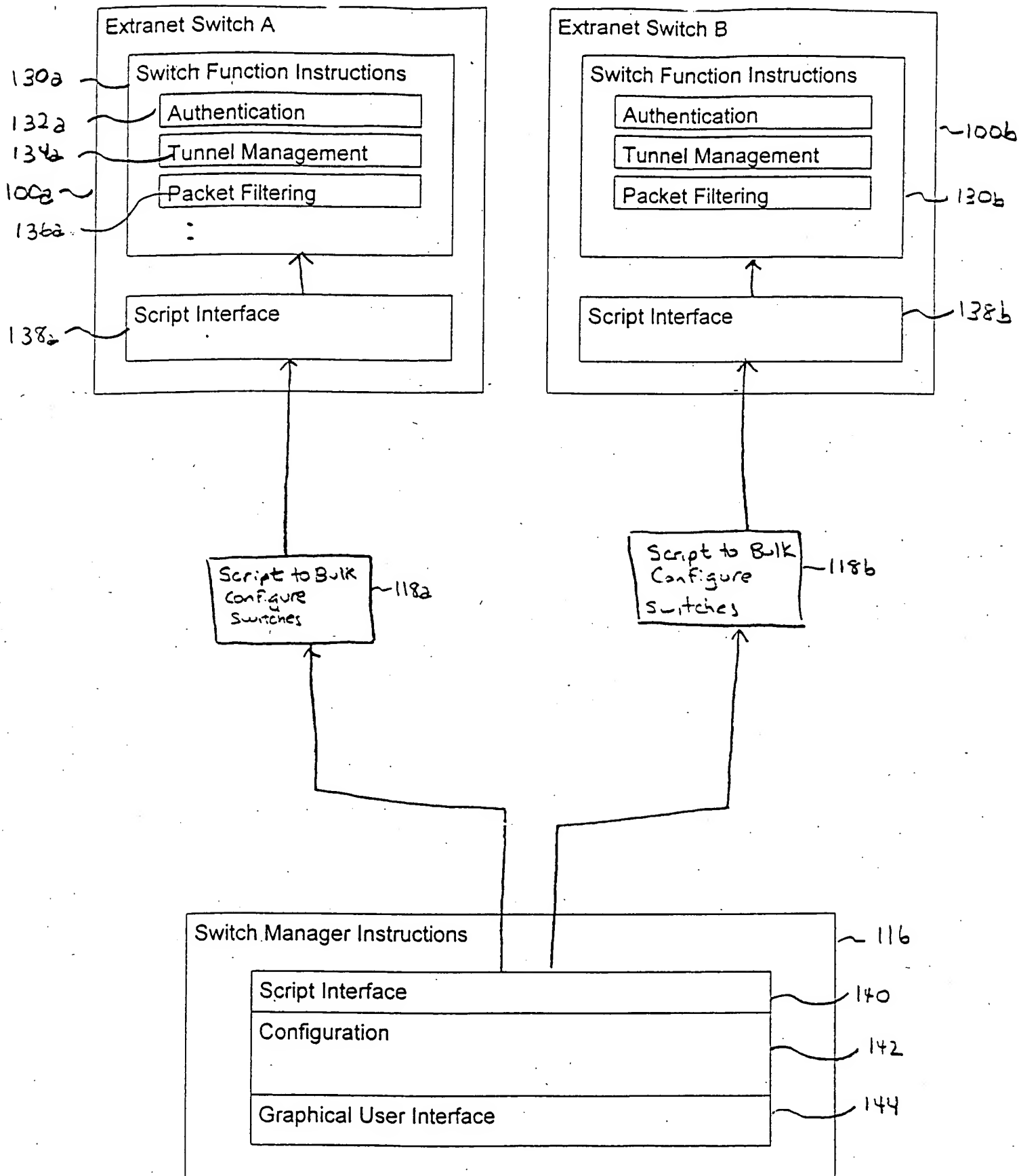


FIG. 4

Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

Server Setup

Configuration Data

Jane Roe

Jane Tunnel

NOC2000

RobertPSmack

John Doe

John's Tunnel

NOC2000

RobertPSmack

Extranet Switch

NOC2000

RobertPSmack

Scheduler

Scripts

Saved Search Results

Palette Properties Wizards Access Web Pages

Double-click on a wizard to run it

Import configuration files from the server's TFTP directory

Import configuration files directly from one or more devices.

Recursively add, modify, or delete passwords below selected item or folder.

Bulk Configure Extranet Switches

Bulk Modify Extranet FTP Data

Bulk Backup Extranet Switches

VPN Report Wizard

Run

Messages Shell

Clear

FIG. 5

**Bulk Extranet Switch Configuration**



**Model Selection**

Select Contivity Switch Models for Bulk Configuration

RobertPSmack  
NOC2000  
Extranet Switch

Select All

< Back

Next >

OK

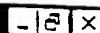
Cancel

Revert

Clear

FIG 6

**Bulk Extranet Switch Configuration**



**Administrator**

Administrator settings of the Extranet Switch model type

User ID   
Password   
Idle Timeout

< Back   Next >   OK   Cancel   Revert

Clear

FIG. 7



DNS Configuration

DNS settings of the Extranet Switch model type

DNS Domain Name   
Primary DNS Server   
Secondary DNS Server   
Tertiary DNS Server

< Back

Next >

OK

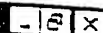
Cancel

Revert

Clear

FIG. 8

Bulk Extranet Switch Configuration



Service

Service settings of the Extranet Switch model type

IPSec	<input type="checkbox"/> Private	<input type="checkbox"/> Public
PPTP	<input type="checkbox"/> Private	<input type="checkbox"/> Public
L2TP & L2F	<input type="checkbox"/> Private	<input type="checkbox"/> Public
HTTP	<input type="checkbox"/> Private	
SNMP	<input type="checkbox"/> Private	
FTP	<input type="checkbox"/> Private	
TELNET	<input type="checkbox"/> Private	
Allow End User to End User	<input type="checkbox"/>	
Allow End User to Branch Office	<input type="checkbox"/>	
Allow Branch Office to Branch Office	<input type="checkbox"/>	

< Back

Next >

OK

Cancel

Revert

Clear

FIG. 9

## SNMP Traps

SNMP Trap settings of the SNMP model type

Enable	Host Name	Community Name
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>

Enable	Description	Interval (hh:mm:ss)
<input type="checkbox"/>	Trap on health warnings	<input type="text"/>
<input type="checkbox"/>	Trap on health alerts	<input type="text"/>
<input type="checkbox"/>	Generate periodic heartbeat	<input type="text"/>
<input type="checkbox"/>	Trap on hardware warnings and alerts	<input type="text"/>
<input type="checkbox"/>	Trap on intrusions	<input type="text"/>
<input type="checkbox"/>	Trap on failed login attempts	<input type="text"/>
<input type="checkbox"/>	Generate power up trap	<input type="text"/>

&lt; Back

Next &gt;

OK

Cancel

Revert

Clear

FIG. 10

Radius Accounting

Radius Accounting settings of the Extranet Switch model type

Enable Radius Accounting ☐

Enable Internal Radius Accounting ☐

Session Update Interval (hh:mm:ss)

Enable External Radius Accounting ☐

Host Name

Port

Secret

< Back

Next >

OK

Cancel

Revert

Clear

FIG. 11

## Radius Authentication

Radius Authentication settings of the Contivity Switch model type

Enable Radius Authentication	<input checked="" type="checkbox"/>
Remove Suffix from User ID	<input type="checkbox"/>
Enable AXENT Authentication	<input type="checkbox"/>
Enable SecurID Authentication	<input type="checkbox"/>
Enable MS-CHAP Authentication	<input type="checkbox"/>
Enable CHAP Authentication	<input type="checkbox"/>
Enable PAP Authentication	<input type="checkbox"/>
Enable Primary Server	<input type="checkbox"/>
Primary Host Name	<input type="text"/>
Primary Port	<input type="text" value="1645"/>
Primary Secret	<input type="text"/>
Enable Alternate 1 Server	<input type="checkbox"/>
Alternate 1 Host Name	<input type="text"/>
Alternate 1 Port	<input type="text" value="1645"/>
Alternate 1 Secret	<input type="text"/>
Enable Alternate 2 Server	<input type="checkbox"/>
Alternate 2 Host Name	<input type="text"/>
Alternate 2 Port	<input type="text" value="1645"/>

< Back   Next >   OK   Cancel   Revert

Clear

## External LDAP

External LDAP Server settings of the Contivity Switch model type

Enable External LDAP Server	<input type="checkbox"/>
Base DN	<input type="text"/>
Remove Suffix From UI	<input type="checkbox"/>
Delimiter	<input type="text"/>
Master Host Name	<input type="text"/>
Master Connection	PORT <input type="text"/>
Master Port	<input type="text"/>
Master Bind DN	<input type="text"/>
Master Password	<input type="text"/>
Slave 1 Host Name	<input type="text"/>
Slave 1 Connection	PORT <input type="text"/>
Slave 1 Port	<input type="text"/>
Slave 1 Bind DN	<input type="text"/>
Slave 1 Password	<input type="text"/>
Slave 2 Host Name	<input type="text"/>
Slave 2 Connection	PORT <input type="text"/>
Slave 2 Port	<input type="text"/>

&lt; Back

Next &gt;

OK

Cancel

Revert

Clear

FIG. 13

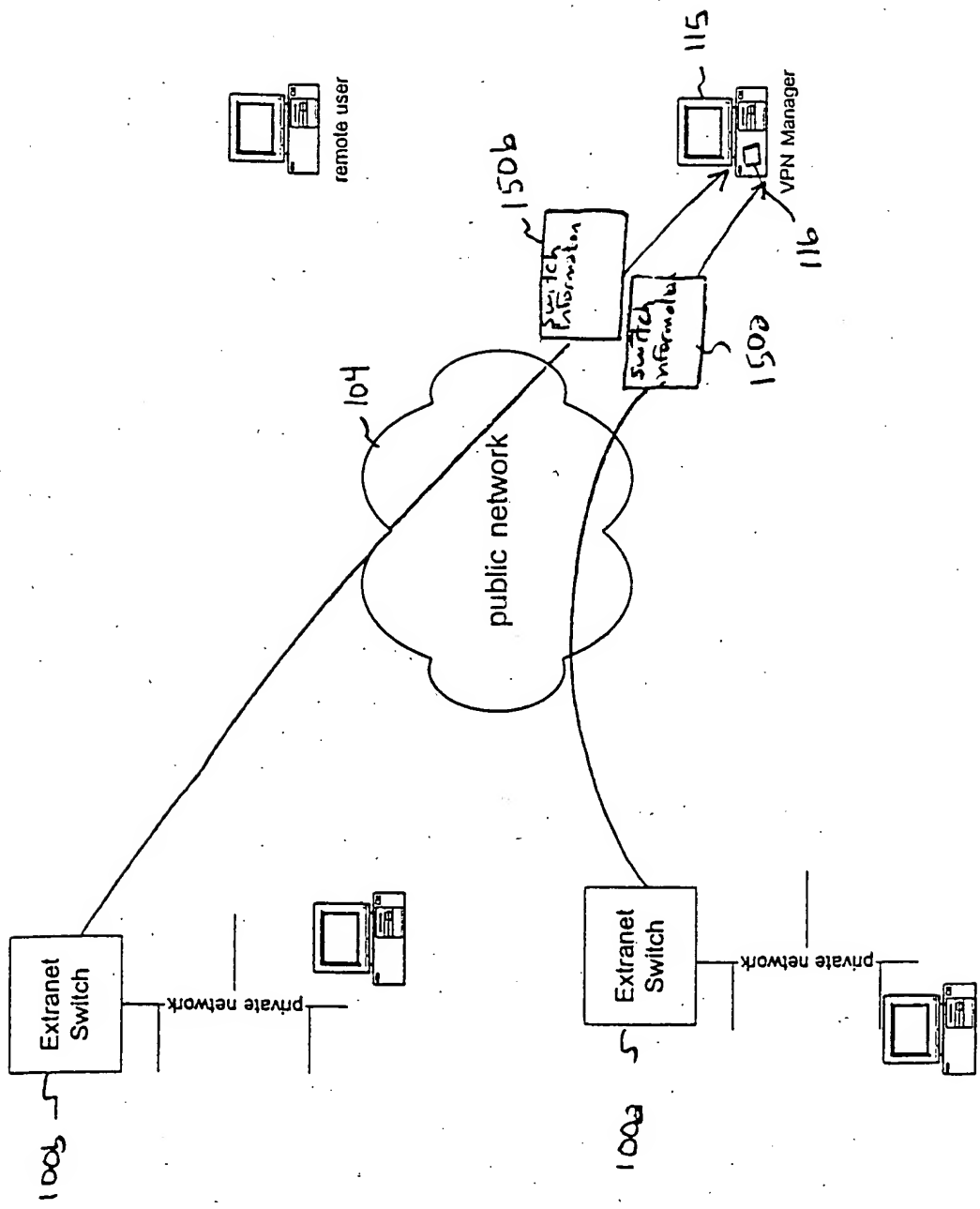


FIG. 14

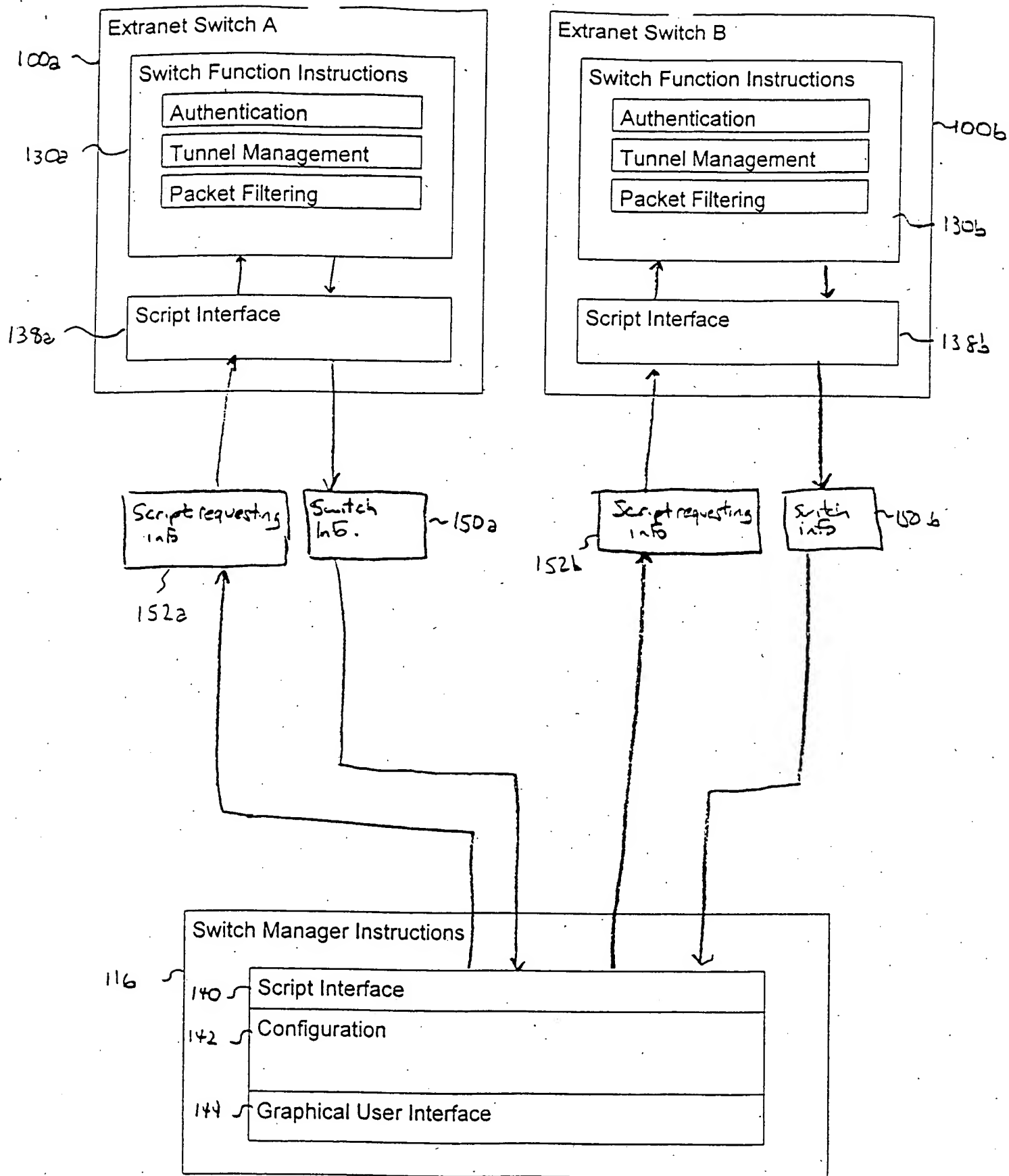


FIG. 15



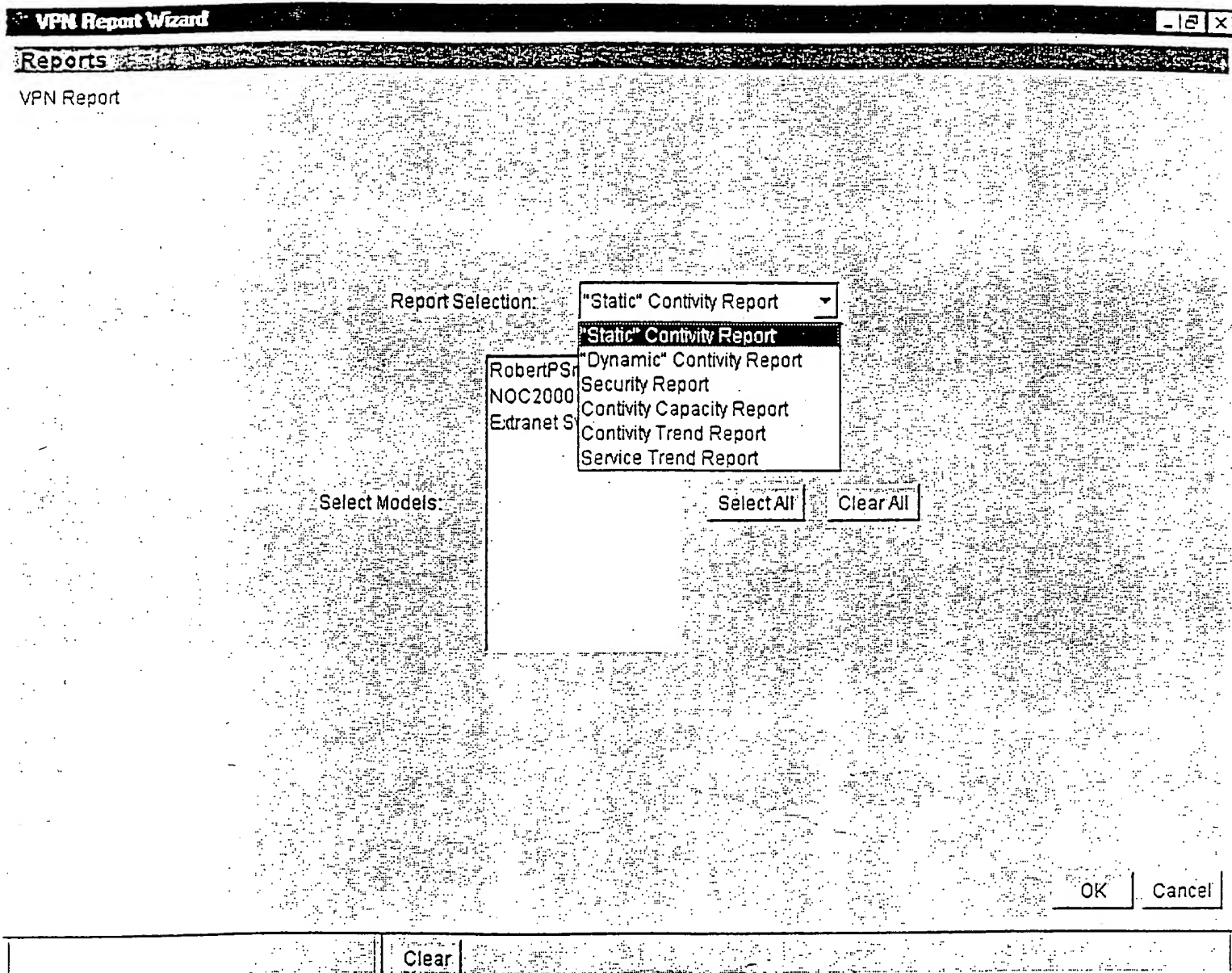


FIG. 16

## Contivity Report

Extranet switch report

Switch Name	Host Name	Domain Name	Primary Server	Secondary Server	Tertiary Server
RobertPSmack	RobertPSmack	hi.com	0.0.0.0	0.0.0.0	0.0.0.0
NOC2000	NOC2000	corpeast.baynetworks.com	132.245.135.76	132.245.135.108	0.0.0.0
Extranet Switch	<null>	<null>	<null>	<null>	<null>

OK

Print

Save

Clear

# VPN Security Report



## VPN Security Report

Extranet switch report

Switch Name	IPSec	PPTP	L2TP & L2F	HTTP	SNMP	FTP	TELNET	User to User	User to Branch	Branch to Branch
RobertPSmack	Priv/Pub	Priv/Pub	Private	Private	Private	Private	Private	Disabled	Disabled	Disabled
NOC2000	Private	Private	Private	Private	Private	Private	Private	Enabled	Enabled	Enabled
Extranet Switch								Disabled	Disabled	Disabled

OK Print Save

Clear

Contivity Switch	Tunnels : Users
RobertPSmack	2000 : 0
NOC2000	100 : 1
Extranet Switch	

OK

Print

Save

Clear

# VPN Contivity Trend Report

13 x

## VPN Trend Report

Extranet Switch Trend Report

Dates: 1/1/99 through 3/1/99

No Sort

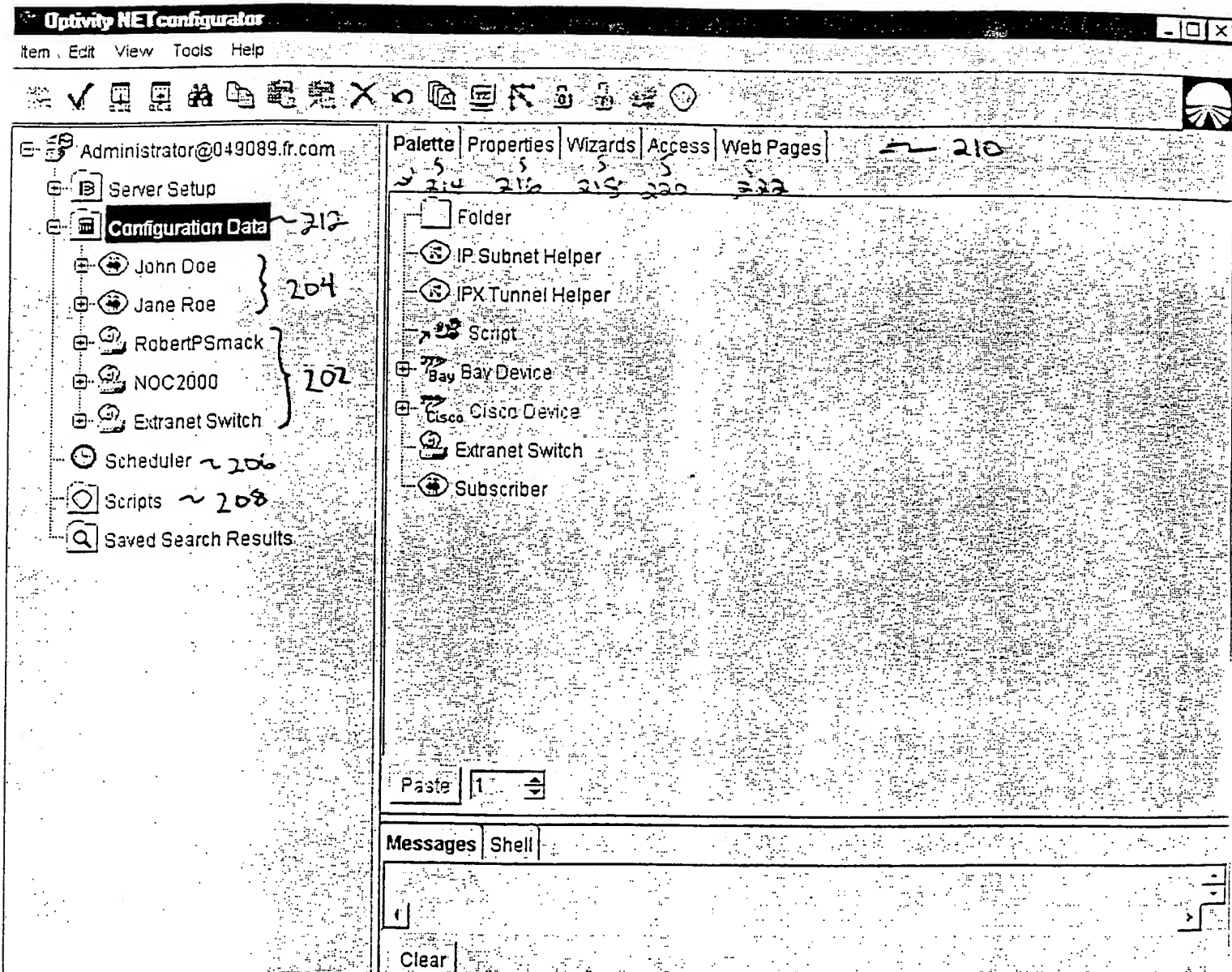
Contivity Switch	Total	Admin Sessions	IPSec Sessions	PPTP Sessions	L2F Sessions	L2TP Sessions
RobertPSmack	67	67	0	0	0	0
NOC2000	0	0	0	0	0	0
Extranet Switch	0	0	0	0	0	0

OK

Print

Save

Clear



↑ 200

FIG. 21

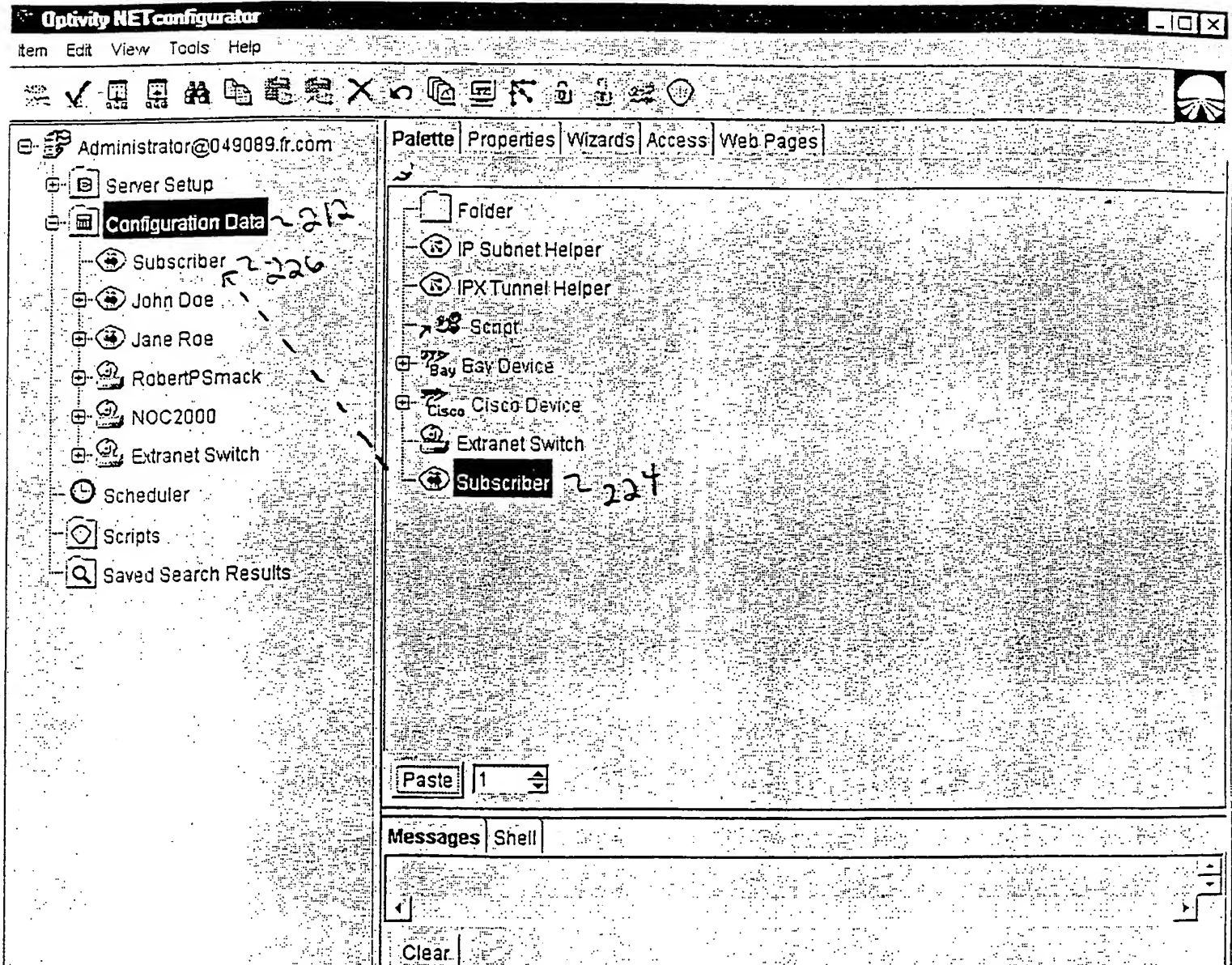
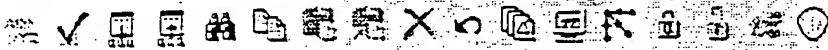


FIG 22



Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

Server Setup

Configuration Data

Jim Loe ~ 226

John Doe

Jane Roe

RobertPSmack

NOC2000

Extranet Switch

Scheduler

Scripts

Saved Search Results

Palette Properties Wizards Access Web Pages

- Folder
- IP Subnet Helper
- IPX Tunnel Helper
- Script
- Bay Device
- Cisco Device
- Extranet Switch
- Subscriber

Paste 1

Messages Shell

Clear



Optivity NET configurator

Item Edit View Tools Help

Administrator@049089.fr.com

Server Setup

Configuration Data

Jim Lee ~ 226

VPN Service ~ 230

John Doe

Jane Roe

RobertPSmack

NOC2000

Extranet Switch

Scheduler

Scripts

Saved Search Results

Palette

Properties

Wizards

Access

Web Pages

Script

VPN Service ~ 228

Paste

1

Messages

Shell

Clear

24

# Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

- [-] Server Setup
- [-] Configuration Data
  - [-] Jim Loe
  - [-] **VPN Service** *230*
  - [-] John Doe
  - [-] Jane Roe
  - [-] RobertPSmack
  - [-] NOC2000
  - [-] Extranet Switch
- [-] Scheduler
- [-] Scripts
- [-] Saved Search Results

Palette **Properties** Wizards Access Web Pages

Basic

Service Name Jim's Tunnel

Tunnel Type **L2TP**

IP Address **RobertPSmack**

IP Address **NOC2000**

IP Address of the device that the service will be using

Undo

Messages Shell

Clear

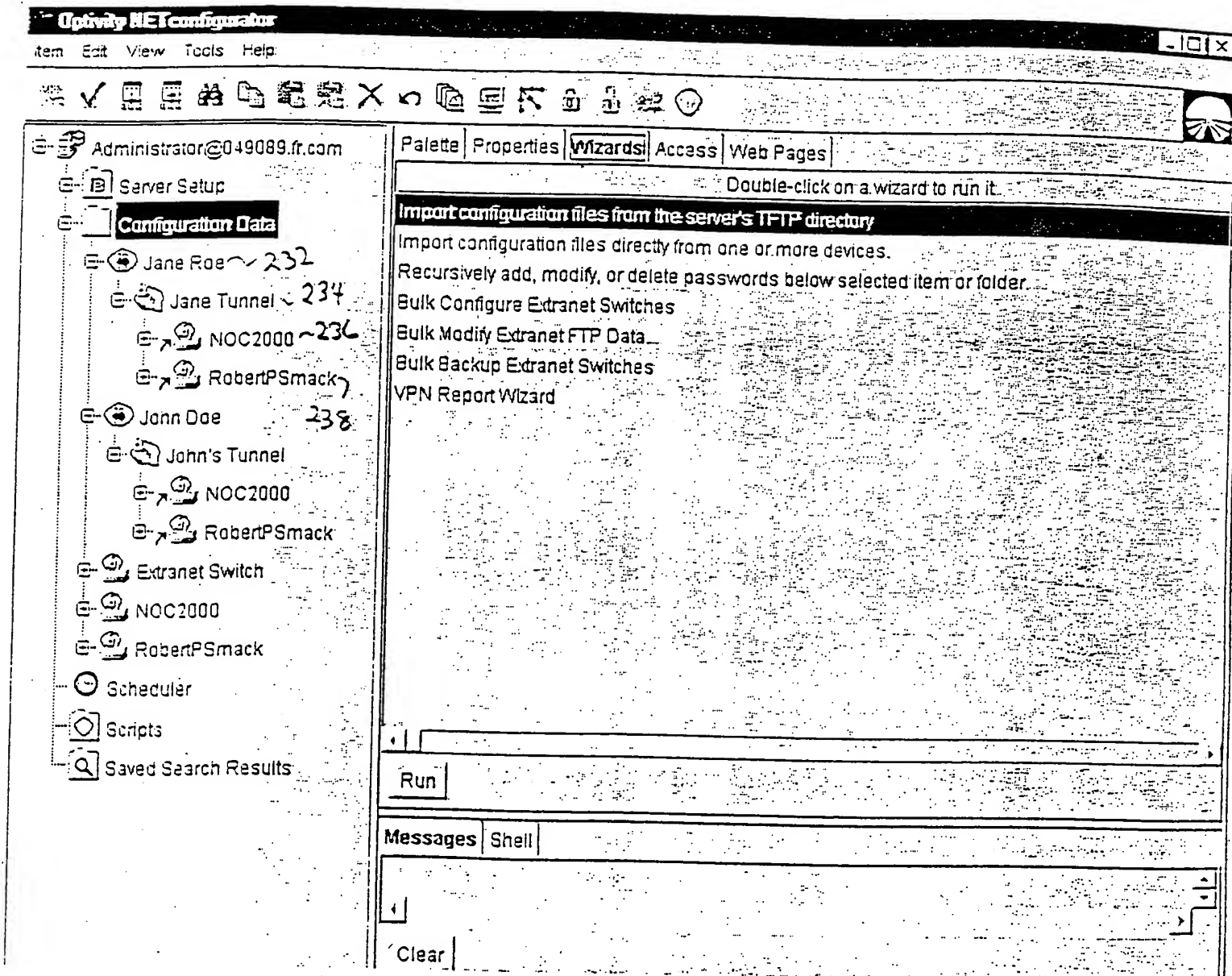


FIG 26

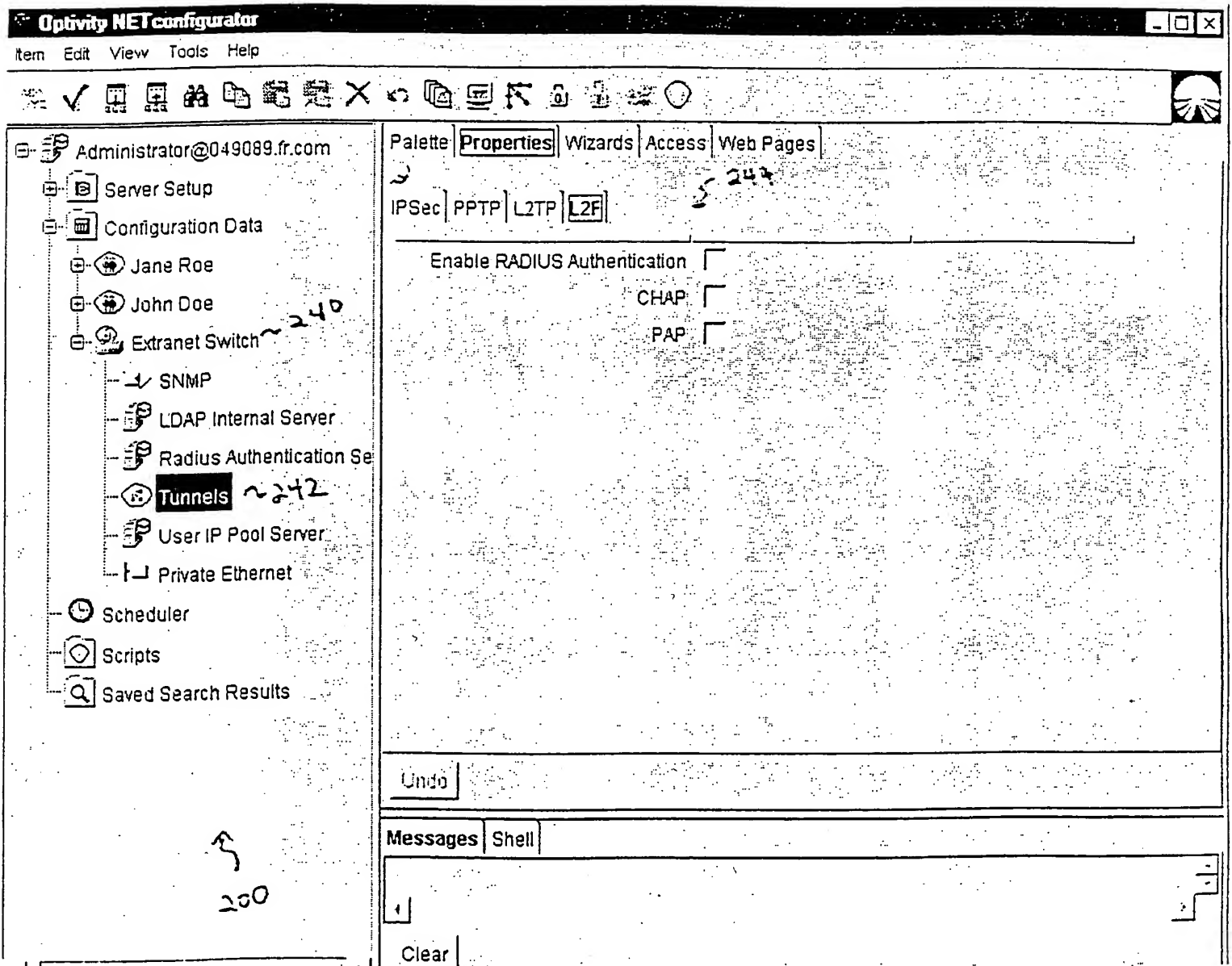
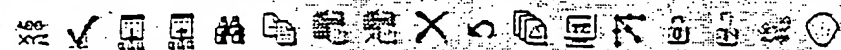


FIG. 27

Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

Server Setup

Configuration Data

Extranet Switch ~240

Radius Authentication Se

SNMP

LDAP Internal Server

Tunnels

User IP Pool Server

Private Ethernet

John Doe

Jane Roe

Scheduler

Scripts

Saved Search Results

Palette Properties Wizards Access Web Pages

Script

Extranet IPX

LDAP Internal Server

LDAP External Server

Radius Accounting Server

Radius Authentication Server ~242

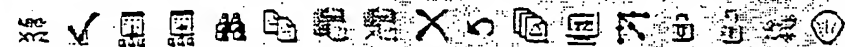
Paste 1

Messages Shell

Clear

Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

Server Setup

Configuration Data

Extranet Switch

Radius Authentication Se

SNMP

LDAP Internal Server

Tunnels

User IP Pool Server

Private Ethernet

John Doe

Jane Roe

Scheduler

Scripts

Saved Search Results

Palette Properties Wizards Access Web Pages

Basic

1 Page 1 of 2

	Delimiter Value
Remove Suffix from User ID	<input type="checkbox"/>
Enable AXENT Authentication	<input type="checkbox"/>
Enable SecurID Authentication	<input type="checkbox"/>
Enable MS-CHAP Authentication	<input type="checkbox"/>
Enable CHAP Authentication	<input type="checkbox"/>
Enable PAP Authentication	<input type="checkbox"/>
Enable Primary Server	<input type="checkbox"/>
Primary Server Host Name/Address	<input type="text"/>
Primary Server Port	1645
Primary Secret	<input type="text"/>

Undo

Messages Shell

Clear



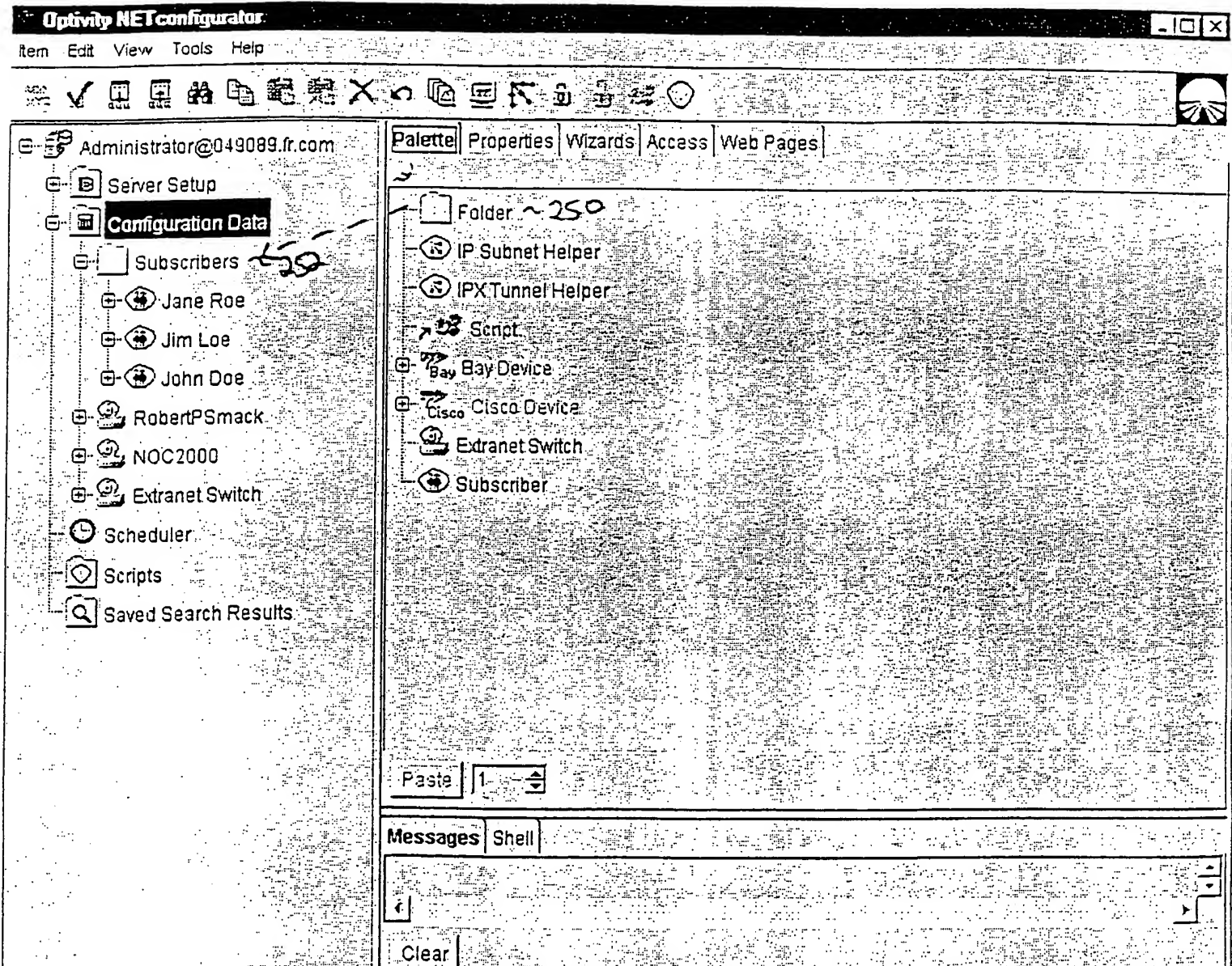
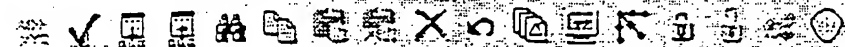


FIG. 30

Optivity NET configurator

Item Edit View Tools Help



Administrator@049089.fr.com

Server Setup

Configuration Data

Switches using LDAP

NOC2000

RobertPSmack

Switches using RADIUS

Extranet Switch

Subscribers

Jane Roe

Jim Loe

John Doe

Scheduler

Scripts

Saved Search Results

Palette Properties Wizards Access Web Pages

- Folder
- IP Subnet Helper
- IPX Tunnel Helper
- Script
- Bay Bay Device
- Cisco Cisco Device
- Extranet Switch
- Subscriber

Paste 1

Messages Shell

Clear





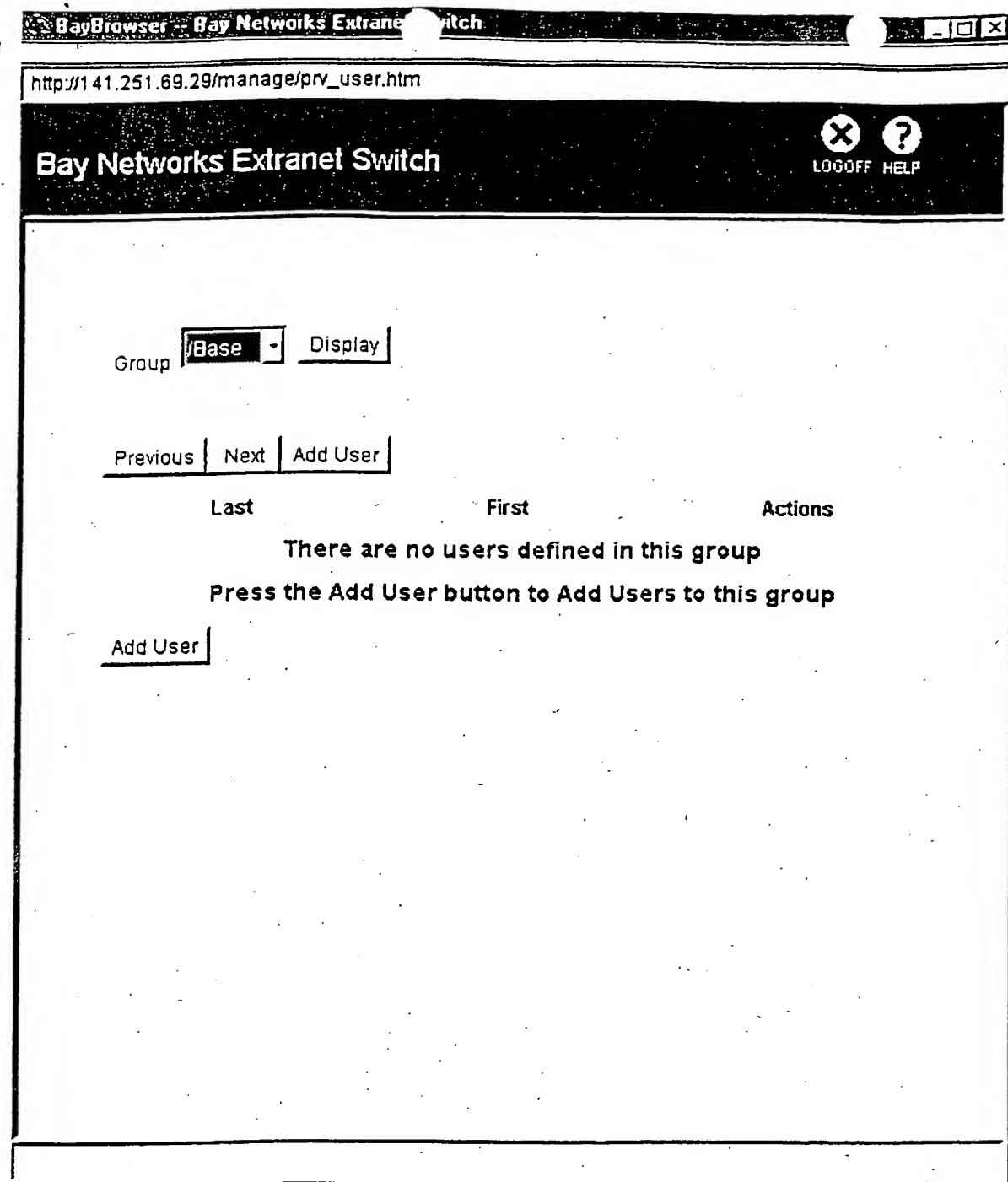


FIG. 33

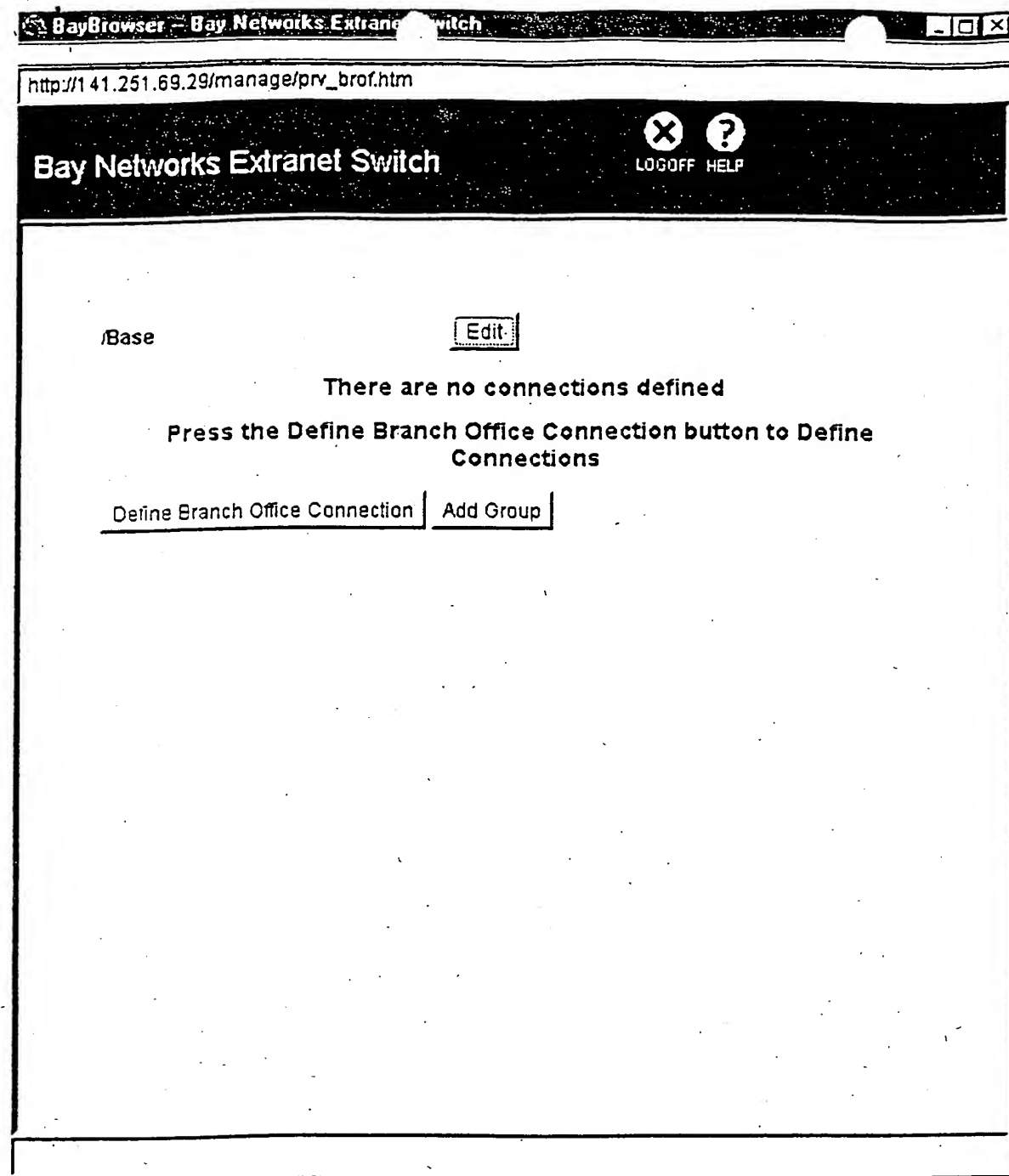


FIG. 34

http://141.251.69.29/manage/prv\_filt.htm

## Bay Networks Extranet Switch

LOGOFF HELP

### Current Filters

deny all

permit all

permit only dns/ftp

permit only dns/http

permit only dns/netbios

permit only dns/nntp

permit only dns/smtp/pop3

permit only dns/telnet

Edit

Delete

Create

Enter new Filter name and press create

Manage Rules

FIG. 35

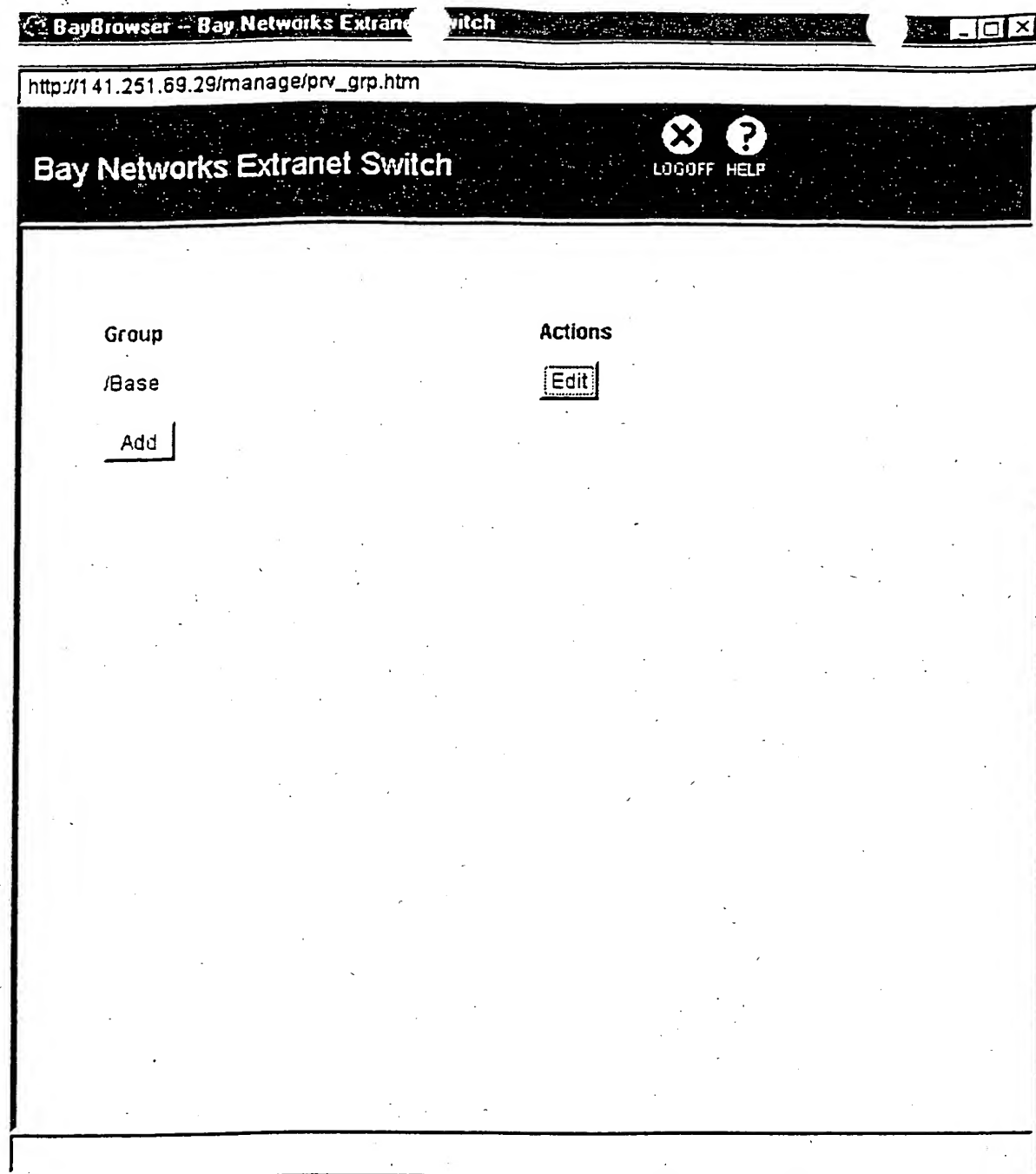


FIG. 36

http://141.251.69.29/manage/prv\_hour.htm

# Bay Networks Extranet Switch

LOGOFF HELP

Name

Anytime	Edit	Delete
Weekdays		
Weekends		

New Access Hours:

Add

FIG. 37

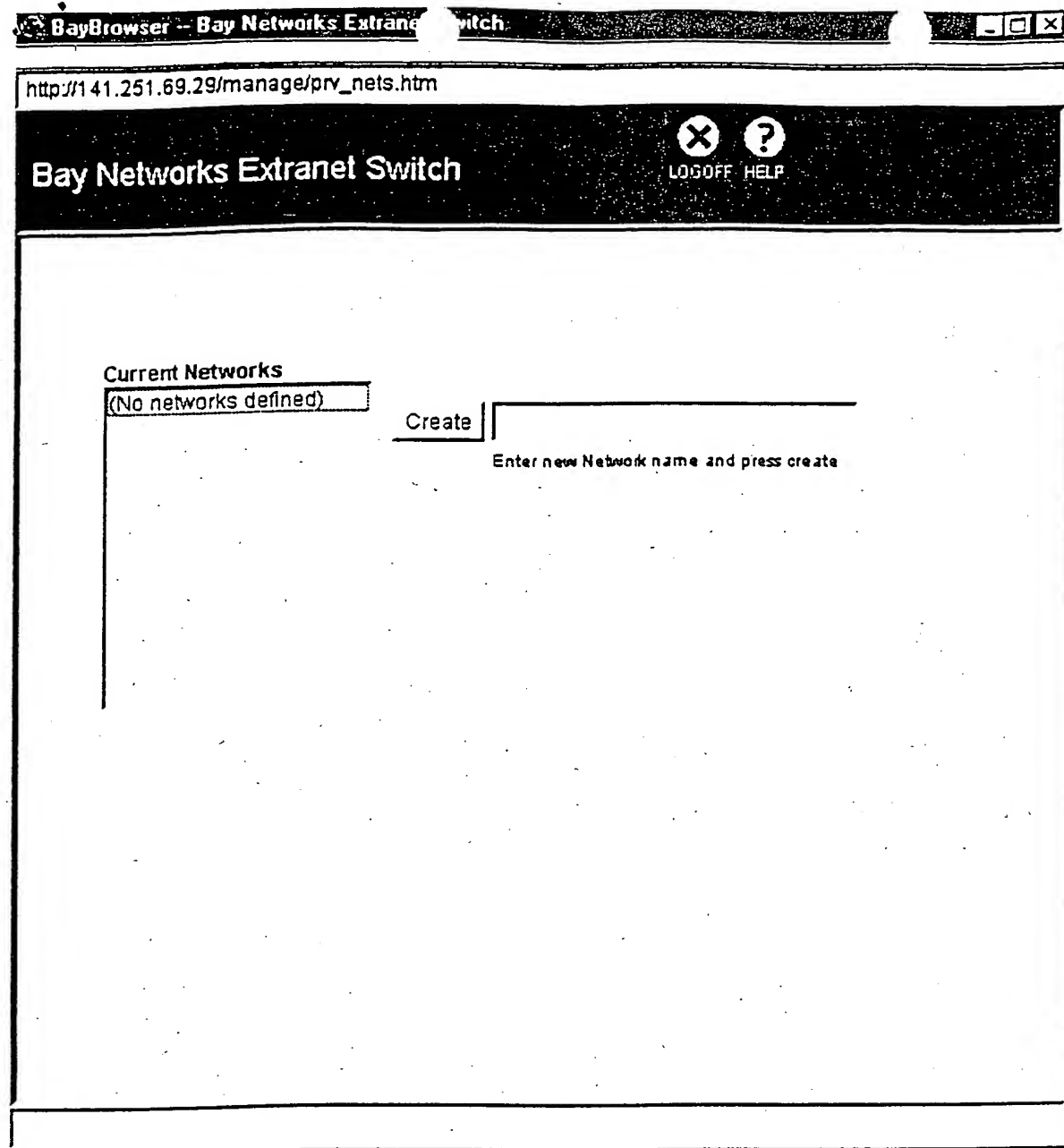


FIG. 38

http://141.251.69.29/

## Welcome to the Bay Networks Extranet Switch

### Ongoing Management



MANAGE  
SWITCH

MANAGE SWITCH - The management interface used for the day-to-day management and monitoring of the Extranet Switch.



MANAGE  
from  
NOTEBOOK

MANAGE from NOTEBOOK - Reduced graphics version of the management interface. Excellent for small monitors and notebook PCs.

### Getting Started



QUICK  
START

QUICK START - A great way to get your new Extranet Switch up and running in just minutes. By completing just a single set-up screen, you can configure the Extranet Switch to support PPTP tunnels.



GUIDED  
CONFIG

GUIDED CONFIG - Guides you through the entire management interface, providing hints on how to configure the extensive list of features.

FIG. 39